

Applicants: Curtis, Rory A. J., et al.  
Title: 53010, A NOVEL HUMAN CARBOXYLESTERASE FAMILY  
MEMBER AND USES THEREOF  
Attorney/Agent: Kerri Pollard Schray  
Docket No.: MPI00-524PIRDVIM

Sheet 1 of 3

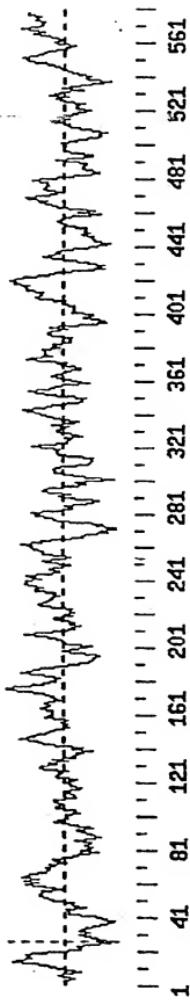


Fig. 1

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COesterase: domain 1 of 1, from 44 to 545; score 552.8, E = 2.3e-162

(SEQ ID NO: 4)

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FH53010ET

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SSTVTEGESAGATSVSSLLS-----DMAKGLLEHKALMESSGVATTYIE 267

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++ + + a + G n ++s+s+11+CLR k+++eLl +++++  
AHDXEKSEDLQVVAHFCGNNASDSEALLRCRTPSKELLTLSSQ--KTKS 315

Fig. 2A

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Fbh53010FL	351	ECGFLLPMKEAPEIISG - - - - -	ddladkvleikypgavddfsvesrkpn1qdm1tD11Fkcptrvaaadlhakh ++ V ++Y+ d + s + +++ 1+d+1+D++F++P ++ ++ ++ +g+PYY+Y+E+h+++	SNKSLAHHLIQNLHPPQ- 386
Fbh53010FL	387	- YLHVANEYFHD - KH - SLTEIRDSSLDDLGDVFFVVVP - ALITARYHRD	ggspvYavYvfhpasfgigQflakrvdpffgavHgdeifffvFgnpl1ke +g+PYY+Y+E+h+++	431
Fbh53010FL	432	AGAPVYFYEFRRPQC - - - -	+ ++P f+a+H+dE+f+vFG +1k+ FEDTKPAFKVKAHDADAEVRVFGGAFLKG 475	
Fbh53010FL	476	DIVMFegATEEEKKLJSRKMMKYWATFARTGNP - NGN -- DLSLWPAYNLTE	glyka . teeeekssksktmmnywanFAktGnPnngtsnglvvwpkytsee + +++++eeekt+s+rnn+ywa+FA+tGnP ng 1 Wp+y+ +e	522
Fbh53010FL	523	Q - YLQLDLNTMSLGORLKEPR - - - - VDFW	qkyssllillltitacklkardprkvlnfnw<-* q +1+ 1 + q+1k+ + ++EW	545

Fig. 2B